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## SEQUENCE LISTING

<110> Cytomatrix, LLC  
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Rosenzweig, Michael

<120> METHODS FOR PRODUCTION OF REGULATORY T CELLS AND USES THEREOF

<130> C1005.70014WO00

<140> Not yet assigned

<141> 2005-03-29

<150> US 60/557,669

<151> 2004-03-29

<160> 58

<170> PatentIn version 3.3

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<211> 9

<212> PRT

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<220>

<223> Homo sapiens source

<400> 1

Glu Ala Asp Pro Thr Gly His Ser Tyr  
1 5

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<213> Artificial sequence

<220>

<223> Homo sapiens source

<400> 2

Ser Ala Tyr Gly Glu Pro Arg Lys Leu  
1 5

<210> 3

<211> 9

<212> PRT

<213> Artificial sequence

<220>

<223> Homo sapiens source

<400> 3

Glu Val Asp Pro Ile Gly His Leu Tyr  
1 5

- 2 -

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<220>  
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<400> 4

Phe Leu Trp Gly Pro Arg Ala Leu Val  
1 5

<210> 5  
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<212> PRT  
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<223> Homo sapiens source

<400> 5

Met Glu Val Asp Pro Ile Gly His Leu Tyr  
1 5 10

<210> 6  
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<400> 6

Lys Ile Ser Gly Gly Pro Arg Ile Ser Tyr Pro Leu  
1 5 10

<210> 7  
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<223> Homo sapiens source

<400> 7

Ala Leu Ser Arg Lys Val Ala Glu Leu  
1 5

<210> 8  
<211> 9  
<212> PRT  
<213> Artificial sequence

<220>

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<223> Homo sapiens source

<400> 8

Ala Ala Arg Ala Val Phe Leu Ala Leu  
1 5

<210> 9

<211> 8

<212> PRT

<213> Artificial sequence

<220>

<223> Homo sapiens source

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Tyr Arg Pro Arg Pro Arg Arg Tyr  
1 5

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<220>

<223> Homo sapiens source

<400> 10

Ser Pro Ser Ser Asn Arg Ile Arg Asn Thr  
1 5 10

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<211> 9

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<223> Homo sapiens source

<400> 11

Val Leu Pro Asp Val Phe Ile Arg Cys  
1 5

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<213> Artificial sequence

<220>

<223> Homo sapiens source

<400> 12

Glu Glu Lys Leu Ile Val Val Leu Phe  
1 5

- 4 -

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<220>  
<223> Homo sapiens source

<400> 13

Glu Glu Lys Leu Ser Val Val Leu Phe  
1 5

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<220>  
<223> Homo sapiens source

<400> 14

Ala Cys Asp Pro His Ser Gly His Phe Val  
1 5 10

<210> 15  
<211> 10  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Homo sapiens source

<400> 15

Ala Arg Asp Pro His Ser Gly His Phe Val  
1 5 10

<210> 16  
<211> 9  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Homo sapiens source

<400> 16

Ser Tyr Leu Asp Ser Gly Ile His Phe  
1 5

<210> 17  
<211> 9  
<212> PRT  
<213> Artificial sequence

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&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 17

Ser Tyr Leu Asp Ser Gly Ile His Ser  
1 5

&lt;210&gt; 18

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 18

Met Leu Leu Ala Val Leu Tyr Cys Leu  
1 5

&lt;210&gt; 19

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 19

Tyr Met Asn Gly Thr Met Ser Gln Val  
1 5

&lt;210&gt; 20

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 20

Tyr Met Asp Gly Thr Met Ser Gln Val  
1 5

&lt;210&gt; 21

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 21

- 6 -

Ala Phe Leu Pro Trp His Arg Leu Phe  
1 5

<210> 22  
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<212> PRT  
<213> Artificial sequence

<220>  
<223> Homo sapiens source

<400> 22

Ser Glu Ile Trp Arg Asp Ile Asp Phe  
1 5

<210> 23  
<211> 9  
<212> PRT  
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<220>  
<223> Homo sapiens source

<400> 23

Tyr Glu Ile Trp Arg Asp Ile Asp Phe  
1 5

<210> 24  
<211> 15  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Homo sapiens source

<400> 24

Gln Asn Ile Leu Leu Ser Asn Ala Pro Leu Gly Pro Gln Phe Pro  
1 5 10 15

<210> 25  
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<212> PRT  
<213> Artificial sequence

<220>  
<223> Homo sapiens source

<400> 25

Asp Tyr Ser Tyr Leu Gln Asp Ser Asp Pro Asp Ser Phe Gln Asp  
1 5 10 15

<210> 26  
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- 7 -

<212> PRT  
<213> Artificial sequence

<220>  
<223> Homo sapiens source

<400> 26

Ile Leu Thr Val Ile Leu Gly Val Leu  
1 5

<210> 27  
<211> 9  
<212> PRT  
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<220>  
<223> Homo sapiens source

<400> 27

Lys Thr Trp Gly Gln Tyr Trp Gln Val  
1 5

<210> 28  
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<220>  
<223> Homo sapiens source

<400> 28

Ile Thr Asp Gln Val Pro Phe Ser Val  
1 5

<210> 29  
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<212> PRT  
<213> Artificial sequence

<220>  
<223> Homo sapiens source

<400> 29

Tyr Leu Glu Pro Gly Pro Val Thr Ala  
1 5

<210> 30  
<211> 10  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Homo sapiens source

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&lt;400&gt; 30

Leu Leu Asp Gly Thr Ala Thr Leu Arg Leu  
1 5 10

&lt;210&gt; 31

&lt;211&gt; 10

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 31

Val Leu Tyr Arg Tyr Gly Ser Phe Ser Val  
1 5 10

&lt;210&gt; 32

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 32

Leu Tyr Val Asp Ser Leu Phe Phe Leu  
1 5

&lt;210&gt; 33

&lt;211&gt; 11

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 33

Ser Leu Leu Met Trp Ile Thr Gln Cys Phe Leu  
1 5 10

&lt;210&gt; 34

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 34

Ser Leu Leu Met Trp Ile Thr Gln Cys  
1 5



- 9 -

<210> 35  
<211> 9  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Homo sapiens source

<400> 35

Gln Leu Ser Leu Leu Met Trp Ile Thr  
1 5

<210> 36  
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<212> PRT  
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<220>  
<223> Homo sapiens source

<400> 36

His Leu Tyr Gln Gly Cys Gln Val Val Pro Leu Thr Ser Ile Ile Ser  
1 5 10 15

Ala Val

<210> 37  
<211> 9  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Homo sapiens source

<400> 37

Leu Leu Gly Arg Asn Ser Phe Glu Val  
1 5

<210> 38  
<211> 15  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Rubella virus source

<400> 38

Trp Val Thr Pro Val Ile Gly Ser Gln Ala Arg Lys Cys Gly Leu  
1 5 10 15

<210> 39  
<211> 8

- 10 -

<212> PRT  
<213> Artificial sequence

<220>  
<223> Rubella virus source

<400> 39

Arg Val Ile Asp Pro Ala Ala Gln  
1 5

<210> 40  
<211> 15  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Measles virus source

<400> 40

His Gln Ala Leu Val Ile Lys Leu Met Pro Asn Ile Thr Leu Leu  
1 5 10 15

<210> 41  
<211> 9  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Papilloma source

<400> 41

Arg Leu Cys Val Gln Ser Thr His Val  
1 5

<210> 42  
<211> 9  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Papilloma source

<400> 42

Tyr Val Arg Asp Gly Asn Pro Tyr Ala  
1 5

<210> 43  
<211> 10  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Papilloma source

- 11 -

&lt;400&gt; 43

|     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Tyr | Asn | Lys | Pro | Leu | Cys | Asp | Leu | Leu |
| 1   |     |     |     | 5   |     |     |     |     | 10  |

&lt;210&gt; 44

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Influenza source

&lt;400&gt; 44

|     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Gly | Ile | Leu | Gly | Phe | Val | Phe | Thr | Leu | Thr | Val |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |

&lt;210&gt; 45

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Influenza source

&lt;400&gt; 45

|     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Glu | Lys | Tyr | Val | Lys | Gln | Asn | Thr | Leu | Lys | Leu | Ala | Thr |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |

&lt;210&gt; 46

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Hepatitis B source

&lt;400&gt; 46

|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Trp | Leu | Ser | Leu | Leu | Val | Pro | Phe | Val |
| 1   |     |     |     | 5   |     |     |     |     |

&lt;210&gt; 47

&lt;211&gt; 9

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Hepatitis B source

&lt;400&gt; 47

|     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Phe | Leu | Gly | Gly | Thr | Thr | Val | Cys | Leu |
| 1   |     |     |     | 5   |     |     |     |     |

- 12 -

<210> 48  
<211> 9  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Hepatitis C source

<400> 48

Tyr Leu Val Ala Tyr Gln Ala Thr Val  
1 5

<210> 49  
<211> 9  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Hepatitis C source

<400> 49

Gly Leu Arg Asp Leu Ala Val Ala Val  
1 5

<210> 50  
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<212> PRT  
<213> Artificial sequence

<220>  
<223> Hepatitis C source

<400> 50

Gly Tyr Lys Val Leu Val Leu Asn Pro Ser Val Ala Ala Thr  
1 5 10

<210> 51  
<211> 10  
<212> PRT  
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<220>  
<223> Hepatitis C source

<400> 51

Lys Leu Val Ala Leu Gly Ile Asn Ala Val  
1 5 10

<210> 52  
<211> 15  
<212> PRT  
<213> Artificial sequence

<220>

- 13 -

&lt;223&gt; Tetanus source

&lt;400&gt; 52

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gln | Tyr | Ile | Lys | Ala | Asn | Ser | Lys | Phe | Ile | Gly | Ile | Tyr | Gln | Leu |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |

&lt;210&gt; 53

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 53

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Thr | Tyr | Glu | Leu | Ala | Pro | Val | Phe | Val | Leu | Leu | Glu | Tyr | Val | Thr |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |

&lt;210&gt; 54

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 54

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Leu | Lys | Lys | Met | Arg | Phe | Ile | Ile | Gly | Trp | Pro | Gly | Gly | Ser | Gly |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |

&lt;210&gt; 55

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 55

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Lys | Gly | Ala | Ala | Ala | Ile | Gly | Ile | Gly | Thr | Asp | Ser | Val | Ile |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |

&lt;210&gt; 56

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; Homo sapiens source

&lt;400&gt; 56

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Pro | Leu | Gln | Cys | Ser | Ala | Leu | Leu | Val | Arg | Glu | Glu | Gly | Leu | Met |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |

- 14 -

<210> 57  
<211> 15  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Homo sapiens source

<400> 57

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Trp | Leu | Met | Trp | Arg | Ala | Lys | Gly | Thr | Thr | Gly | Phe | Glu | Ala | His |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |

<210> 58  
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<220>  
<223> Homo sapiens source

<400> 58

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Val | Ile | Val | Met | Leu | Thr | Pro | Leu | Val | Glu | Asp | Gly | Val | Lys | Gln | Cys |
| 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     | 15  |     |